THOMAS

Ray Par Peter

Return to RLS

MONITOR WELL PRE-SPUD PROPOSAL

1) WELL NAME/NUMBER: 700-E

2) PROPOSED LOCATION: (a) General (on or off-site) Off-Site

(attach map Site Area West of 700 Area

(b) Sect 27 Twnshp 20S Rng 3E NW ¼ NW ¼ SW ¼ SW ¼

3) WELL PARAMETERS:

(a) Est. total depth 550 (ft) (b) Est. ground elevation @ 4720 ft

(c) Anticipated stratigraphy:

Alluvium (Santa Fe Group) from 0 ' to 300 ' (depth)

Andesite (Orejon) from 300 ' to 550 ' (depth)

(d) Anticipated water bearing horizon(s):

Andesite (possible low production) at 375 ' (depth)

_____ at _____ ' (depth)

(e) Anticipated static water level 375 ' (depth)

4) WELL PURPOSE/JUSTIFICATION (attach maps and table if needed):

Monitor well to determine northern lateral extent of contaminant plume and examine possible fracture conduits for contamination from the 300/400 Area.

5) PROPOSED DRILLING PARAMETERS:

(a) Drilling method(s): (air/foam/mud rotary/auger/etc.)

Mud-rotary from 0 ' to 100 (max)' (depth)

Air-foam rotary from 100 ' to TD ' (depth)

Air-foam method: "Quik-Foam" surfactant/water mixture used in conjunction with filtered compress air.

Mud-rotary method: Bentonite mud/water mixture.

T. THOMAS

WELL NAME/NUMBER: 700-E

(b) Lithology sampling - collect sample every:

5' intervals Method Grab from 0 ' to TD ' (depth)
Core type 6" Dennison from ' to ' (depth)
2" Christiansen from ' to ' (depth)

(c) Anticipated drilling additive(s): E-Z Mud

7) PROPOSED WELL COMPLETION DESIGN/MATERIALS

(a)

Casing:	Material	Diameter	From	To	Comments
Temporary					
Surface	steel	10"	0	100' max	
Screen (10')	stainless ++	4"			0.02"
Completion Pipe	stainless +	4"	0	TD	*

Standard material: Blank riser, silt trap, locking cap

N/A Data not available at this time
* for deep completions (450 feet or more)
** for shallow completions
\+ Type 304, Schedule 5 stainless steel
Type 304, Schedule 10 stainless steel
++ Regular strength screen, extra strength screen used below 450 feet

(b) Filter pack: Standard 8/20 and 16/40 sand and bentonite plug(s), grout to surface.

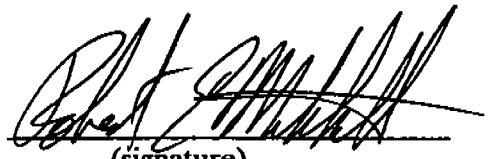
8) PROPOSED WELL DEVELOPMENT

(a) Surge and bail with surge block and bailer.

(b) Pump with submersible pump until parameters stabilize.

9) WELL AUTHORIZATION

(a) Proposed by Geoscience Consultants, Ltd.

(b) Authorized Robert Mitchell (name) NASA (representing)  (signature)